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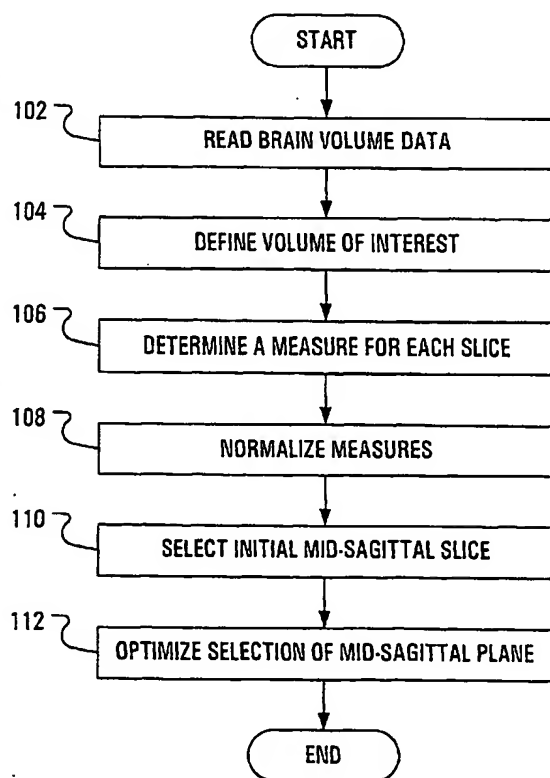
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(54) Title: LOCATING A MID-SAGITTAL PLANE



(57) Abstract: Volumes of interest may be defined, within  
a three-dimensional brain image, for each of three orthog-  
onal directions. Measures, which may, for example, be en-  
ergy or entropy measures, are determined for slices of the  
volumes of interest in the three directions. The volume  
of interest corresponding to the sagittal direction is then  
identified. The slice, among the slices in the volume of  
interest corresponding to the identified sagittal direction,  
having the optical measure is used to define a first esti-  
mate of the mid-sagittal plane. The first estimate of the  
mid-sagittal plane may then be used to build an input to  
an optimization technique, which operates until a conver-  
gence criterion is satisfied, at which point a final estimate  
of the mid-sagittal plane may be produced.

WO 2005/096227 A1



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